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FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: SYNGEN-06067	Serial No.: 09/894,423		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)				Applicant: Ronald H. Chiarello <i>et al.</i>			
(37 CFR § 1.98(b))				Filing Date: 6/28/01	Group Art Unit: 1636		
U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
<i>co</i>	1	5,231,191	7/27/93	Woo <i>et al.</i>	549	220	10/22/90
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)							
<i>co</i>	2	Caruthers <i>et al.</i> , "Chemical Synthesis of Deoxyoligonucleotides by the Phosphoramidite Method," <i>Methods in Enzymology</i> 154:287-313 (1987)					
	3	Doly <i>et al.</i> , "Strand Separation and Specific Recombination in Deoxyribonucleic Acids: Physical Chemicals Studies," <i>Proc. Natl. Acad. Sci. USA</i> 46:461 (1960)					
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	13	Rios, "Phosphoramidite Chemistry," sonhouse.hunter.cuny.edu/facilities/sequence/phoschem.htm					
	14	Sinha <i>et al.</i> , "The preparation and application of functionalised synthetic oligonucleotides: III. Use of H-phosphonate derivatives of protected amino-hexanol and mercapto-propanol or-hexanol," <i>Nucleic Acids Research</i> 16(6):2659-2669 (1988)					
<i>↓</i>	15	Wilkinson, "Oligo Factory, A Profile of Automated Nucleic Acid Synthesizers," <i>The Scientist</i> 13(21):18 (1999) www.the-scientist.com/yr1999/oct/profile1_991025.html					
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Examiner: <i>[Signature]</i>				Date Considered: 6/15/05			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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(37 CFR § 1.98(b))

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Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
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	2	4,683,202	07/28/87	Mullis et al.	435	91	10/25/85
	3	4,415,732	11/15/83	Caruthers et al.	536	27	03/27/81
	4	4,500,707	02/19/85	Caruthers et al.	536	27	03/16/82
	5	4,668,777	05/26/87	Caruthers et al.	536	27	08/06/84
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	7	5,218,103	06/08/93	Caruthers et al.	536	25.33	01/22/91
	8	5,278,302	01/11/94	Caruthers et al.	536	24.5	11/18/91
↓	9	5,453,496	09/26/95	Caruthers et al.	536	24.5	10/15/93

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CD	10	T. Maniatis et al., <i>Molecular Cloning</i> , Cold Spring Harbor Laboratory, 188-190 (1982)
	11	R. J. Slater, "The Extraction and Fractionation of RNA," In: <i>Techniques in Molecular Biology</i> , J.M. Walker and W. Gaastra, eds., Macmillan, NY15, 113-120 (1983)
	12	P. Chomczynski and N. Sacchi, "Single-step Method of RNA Isolation by Acid Guanidium Thiocyanate-Phenol-Chloroform Extraction," <i>Anal. Biochem.</i> 162:156-159 (1987)
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•	15	B.S. Sproat and D.M. Brown, "A New Linkage For Solid Phase Synthesis of Oligodeoxyribonucleotides," <i>Nucleic Acids Res.</i> 13:8, 2979-2987 (1985)
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	17	Studencki and Wallace, "Allele-Specific Hybridization Using Oligonucleotide Probes of Very High Specific Activity: Discrimination of the Human β ⁻ and β ⁻ -Globin Genes," <i>DNA</i> 3(1): 7-15 (1984)
	18	Studencki et al., "Discrimination Among the Human β ^A , β ^B , and β ^C -Globin Genes Using Allele-Specific Oligonucleotide Hybridization Probes," <i>American Journal of Human Genetics</i> 37:42-51 (1985)
	19	Guide to Molecular Cloning Techniques, Ed. S.L. Berger and A.R. Kimmel, <i>Methods in Enzymology</i> 152:401 (1987)
	20	G. Alvarado-Urbina et al., "Automated Synthesis of Gene Fragments," <i>Science</i> 214:270-274 (1981)
	21	Operating Manual, "cDNA Synthesis and Cloning," Pharmacia Biotech (1994)
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	23	Catalog, "Oligotex-dT mRNA Kits," Qiagen Corporation.
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↓	25	Catalog, "Nucleic Acid Isolation and Purification," U.S.B., pp.134-149

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OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)					
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	27	G.M. Bonora <i>et al.</i> , "Structure of N-Tert-Butyloxycarbonyl-D-leucyl-L-phenylalanylethanolamide," <i>J. Biol. Chem.</i> 258:14725-14732 (1983)			
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	36	Webb and Matteucci, "Hybridization triggered cross-linking of deoxyoligonucleotides," <i>Nucleic Acids Research</i> 14(19):7661-7674 (1986)			
↓	37	Beaucage and Caruthers, "Deoxynucleoside Phosphoramidites-A New Class of Key Intermediates for Deoxypolynucleotide Synthesis," <i>Tetrahed. Lett.</i> , 22(20):1859-1862 (1981)			
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